

Title (en)  
A VALVE DEVICE

Title (de)  
VENTILVORRICHTUNG

Title (fr)  
DISPOSITIF FORMANT SOUPAPE

Publication  
**EP 3983707 A4 20230510 (EN)**

Application  
**EP 20822652 A 20200611**

Priority  
• AU 2019902048 A 20190612  
• AU 2020050588 W 20200611

Abstract (en)  
[origin: WO2020248013A1] A valve device including: a regulating portion having: an insert with an insert inlet, an insert outlet and a hollow portion; a moving portion extending at least partway through the hollow portion of the insert, the moving portion moving a regulating part that assists in substantially controlling fluid flow at a set outlet pressure by a position thereof relative to the hollow portion; and a pressure reactive member connected to the moving portion such that movement of the pressure reactive member adjusts the position of the moving portion, the pressure reactive member configured to be in communication with a chamber portion that provides an adjusting force based on outlet pressure to assist in achieving the set outlet pressure, wherein a sealing portion encloses the insert outlet, the sealing portion being configured to engage with a body that is in fluid communication with the insert outlet.

IPC 8 full level  
**G05D 16/06** (2006.01); **F16K 17/06** (2006.01); **F16K 27/02** (2006.01); **F16K 47/02** (2006.01)

CPC (source: AU EP)  
**F16K 17/00** (2013.01 - AU); **F16K 17/06** (2013.01 - EP); **F16K 27/02** (2013.01 - AU); **F16K 27/0209** (2013.01 - EP); **F16K 31/365** (2013.01 - AU); **F16K 47/02** (2013.01 - EP); **G05D 16/06** (2013.01 - AU); **G05D 16/0655** (2013.01 - EP); **G05D 16/08** (2013.01 - AU); **F16K 47/02** (2013.01 - AU)

Citation (search report)  
• [X] US 9958079 B2 20180501 - MORRIS PETER JOHN [AU], et al  
• [A] JP 2015118411 A 20150625 - FUJII KOKI KK  
• [A] WO 2009146646 A1 20091210 - ZHANG ZENGFU [CN]  
• [A] US 2016018010 A1 20160121 - FORRESTAL DAVID PETER [AU]  
• [A] US 2008099712 A1 20080501 - DEYOE DONALD A [CA]  
• See also references of WO 2020248013A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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**WO 2020248013 A1 20201217**; AU 2020292401 A1 20220120; EP 3983707 A1 20220420; EP 3983707 A4 20230510

DOCDB simple family (application)  
**AU 2020050588 W 20200611**; AU 2020292401 A 20200611; EP 20822652 A 20200611